

Patent Abstracts of Japan

PUBLICATION NUMBER : 11015401
PUBLICATION DATE : 22-01-99

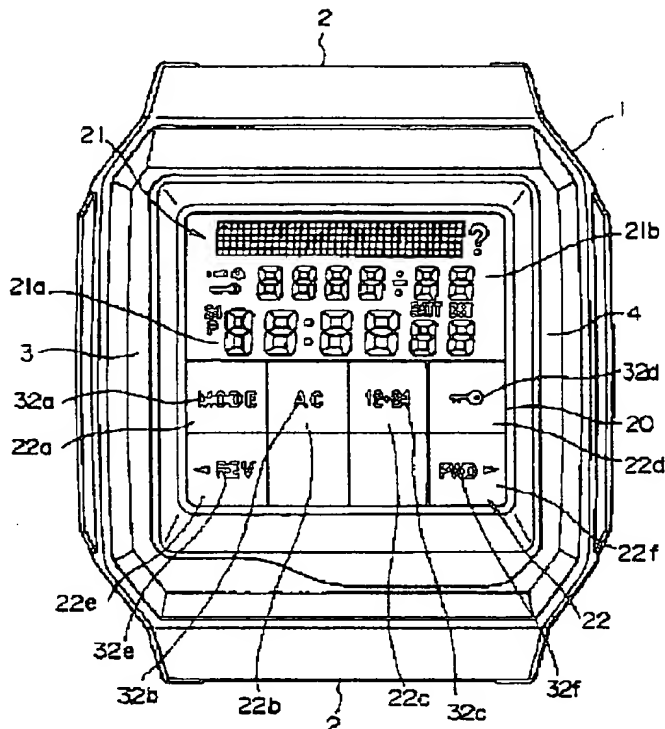
APPLICATION DATE : 20-06-97
APPLICATION NUMBER : 09164642

APPLICANT : CASIO COMPUT CO LTD;

INVENTOR : USUI NORIHISA;

INT.CL. : G09F 9/00 G09F 9/00 G09F 9/00
H01L 31/04

TITLE : DISPLAY DEVICE, ELECTRONIC
DEVICE AND MANUFACTURE OF
ELECTRONIC DEVICE



ABSTRACT : PROBLEM TO BE SOLVED: To read a display of a touch panel in the daytime and a bright place even while using a transparent touch panel and to illuminate the touch panel with a light emission member of a lower part position even in the night and the dark by providing a display part visible from a front side transparent touch panel through light from the light emission member of the lower part position on a solar battery.

SOLUTION: This display device is provided with the transparent panel 20 arranging side by side a touch operation part 22 and the display part 21, the light emission member arranged on the lower part position of the touch operation part 22 of this transparent panel 20, a display member arranged on the lower part position of the display part 21 of the transparent panel 20 and the planar solar battery arranged between the light emission member and the touch operation part 22. At this time, opening parts 32a, 32b, 32c, 32d, 32e, 32f passing the light emitted from the light emission member through from the lower part position to the touch operation part 22 side and capable of viewing opening shapes from the touch operation part 22 side are formed on the solar battery.

COPYRIGHT: (C) JPO